WORKSHOP: MICROPLASTICS POLLUTION

Ocean micro and macro litter pollution

- Problems & Solutions

When & Where:

17th May 2018, 9:00-12:45, Electrum laboratory, Kista
Ka-Sal C (Sal Sven-Olof Öhrvik)

Schedule:

09:00-09:20	Microplastics and the effects on the marine ecosystem – Marco Faimali, CNR, Italy
09:20-09:40	Modelling tools for managing micro and macro litter pollution – Jun She, DMI, Denmark
09:40-10:00	Plastics- challenges in reducing marine pollution – Joydeep Dutta, KTH
10:00-10:20	Current technologies in the market that address micro and macro litter pollution – P.J.H. van Beukering, VU, The Netherlands
10:20-10:35	Importance of engaging citizen and stakeholders to address marine litter - Iliyana Kuzmova, Pensoft, Bulgaria
10:35-10:50	Cleaning Litter by developing and Applying Innovative Methods in European seas – Nikoleta Bellou, HCMR, Greece
10:50-11:05	CEM4MAT – Gunnar Svensson, Stockholm University
11:05-11:25	Structure - Property Relationship Analysis of Industrial Grades of Microfibrillated Cellulose – Anastasia Riazanova, KTH
11:25-11:45	Electron Microscopy for particle analysis – Kjell Jansson, Stockholm University
11:45-12:05	Electron tomography – visualizing materials in 3D – Tom Willhammar, Stockholm University
12:05-12:20	Measuring on materials and particles in the transmission electron microscope – Klaus Leifer, Uppsala University
12:20-12:40	Mistra TerraClean - smart materials for clean air and water – Ulrica Edlund, KTH

Contact:

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THE SPEAKERS

Nikoleta Bellou
Research Scientist, Hellenic Centre for Marine Research, ***Greece***

Expert in biofouling and hard bottom communities (macro- and microbial-organisms) grown on artificial substrates from coastal to deep sea; Specialized in Project and Science Communication Management.

Marco Faimalli
Head of the Genoa Unit of ISMAR-CNR, ***Italy***

More than 20 years' field experience in interaction between materials/ technologies and the marine environment (biofouling, biofilm, bio corrosion, antifouling, environmental impact, marine ecotoxicology).

Jun She
Chief Consultant at the Danish Meteorological Institute, ***Denmark***

Expert in observing system design, ocean-wave modelling and coupling processes

Ulrica Edlund
Professor, Polymer Technology, KTH, ***Sweden***

Synthesis, surface modification, characterization and materials design of polymers, with special focus on the development of functional and advanced formulations and materials from renewable resources.

Tom Willhammar
Researcher, Stockholm University, ***Sweden***

Works on structural studies across length scales. He is using tools based on electron microscopy and electron diffraction to characterize materials - from mesostructures down to their atomic arrangements.

Klaus Leifer
Professor, Uppsala University, ***Sweden***

Electron microscopy with emphasis on structure/property relations and development of nanodevices/ materials for environmental purposes.

Joydeep Dutta
Professor, Functional Materials, KTH, ***Sweden***

Sustainable nanomaterials for planetcare including photocatalysis and electrocatalysis and saline or impaired water treatments. Novel nanomaterials and their applications.

P.J.H van Beukering
Deputy Director at Institute for Environmental Studies, VU Amsterdam, ***The Netherlands***

Specialized in economics of marine environment with main research interests in natural resource management and economic analyses focused on ecosystem services and waste management.

Iliyana Kuzmova
Head of Press Office, Pensoft, ***Bulgaria***

Public relations, science communication, including press release writing and promotional materials, liaising with international media

Gunnar Svensson
Professor, Stockholm University, ***Sweden***

Inorganic solid state chemist with an interest in structural characterization using electrons, neutrons and X-rays. Director for the Electron Microscopy Centre at Stockholm University and chair-person for CEM4MAT.

Anastasia Riazanova
Researcher, KTH & WWSC, ***Sweden***

State-of-the-art structure - property relationship analysis of MFC and CNF based materials - natural and biodegradable polymers. A member of H2020 BBI JU Exilva project (2016 onwards)

Kjell Jansson
Researcher, SU

EM-application specialist. Expert in nanoparticle analysis using SEM and TEM.